

# VERTICAL ROTARY MULTI-FUNCTIONAL TRIMMING APPARATUS

## Abstract

A vertical rotary trimming apparatus includes a base for placing material, a rail mounted on the base, a plurality of trimming elements for trimming the material, a carriage slidably mounted on the rail, an engagement device including a plurality of engagement units, and a fixer for engaging with the engagement units of the engagement device in order to fix the positions of the engagement device and the plurality of trimming elements. The plurality of trimming elements are rotatably connected to the engagement device, and the engagement device can actuate the plurality of trimming elements by rotating on a plane perpendicular to the base.